
	Recommended Program of Study for: Computer Science				
Career Cluster: Information Technology			Career Pathway: Programming and Software Development		
9 th Grade	10 th Grade	11 th Grade	12 th Grade	Postsecondary	
English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College	
Algebra I	Geometry	Algebra II	Senior Level Math Course		
Biology	Chemistry or Geoscience	Junior Level Science Course	Elective ¹		
Health / Computer Literacy	World History	US History	US Government		
Physical Education	Physical Education	Foreign Language ² or Elective ¹	Foreign Language ² or Elective ¹		
Computer Science I	Computer Science II	Computer Science III or Advanced Placement Computer Science	Computer Science Advanced Studies	Career and Technical Student Organizations	
Work-Based Learning		Secondary	-- Articulation --		Postsecondary
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers		Computer Science I Computer Science II Computer Science III or AP Computer Science A	Up to 6 credits at College of Southern Nevada Up to 6 credits at Truckee Meadows Community College (subject to change)		SkillsUSA
CTE Assessments ³		Available Industry Certifications		High Wage - High Skill - High Demand Careers ⁴	
-End of Program Technical Assessment for Computer Science - Workplace Readiness Skills Assessment (for Employability Skills Standards)		<u>Certification</u>	<u>Provider</u>	Programmer Software Engineer Program manager Software Applications Specialist	Systems Analyst Software Developer Computer Engineer Data Modeler

This Program of Study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

⁴ For additional career and employment information visit <http://www.nvcis.intocareers.org/> and <http://www.NevadaYouth.org>

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